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			_	Application Number	10/717,981		PE	abla
			CLOSURE	Filing Date	November 21, 200	3/0		₹
STA	TEMENT	BY A	PPLICANT	First Named Inventor	Tsutomu MURAO	 ✓A		— [-
				Group Art Unit	3682	APR	0 5 20	004
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Sheet	1	of	1	Attorney Docket Number	SN-US035146A	Tr.		

	U.S. PATENT DOCUMENTS								
		U.S. Patent	Document	Name of Patentee or Applicant	Date of Publication of Cited Documen				
Examiner Initials *	Cite No.	Number Kind Code (if known)			of Cited Document	MM-YYYY			
CK		5,131,291	B1	Beyl	07-1992				
CK		6,119,551	B1	Ueda	09-2000				
CK		6,282,984	B1	Chen	09-2001				
CK		6,446,529	B1	Tanaka	09-2002				
	 								
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3			U.S. PATENT	OCUMENTS	
Examiner Cite		Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials	Cite No.		MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
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		FOREIGN PA	ATENT DOCUM	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [©]
CK		. EP-0485956-A1	05-20-1992	Nagano	column 4, line 34 - column 5, line 21; figure3	N/A
CK		EP-0826586-A1	03-04-1998	Ueda	column 13, line4 - column 14, line 9; column 14, line 41 - column 15, line 14; figures 28-33; column 8, line 4 - column 9, line 1; figures 25 and 26	N/A
CK		EP-0999122-A2	05-10-2000	Ueda	column 6, line 37 - column 10, line 3; figures 1-11	N/A

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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Complete if Known Application Number 10/717.981 Filing Date November 21, 2003 First Named Inventor Tsutomu MURAOKA **Group Art Unit** 3011-3682 Kim **Examiner Name**

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	Examiner Initials *	Cite No.1	Number - Kind Code ² (If known)	Publication D MM-DD-YY		Name of Patentee or App Cited Document	Sicant of	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	CK		US- 2003/051575-A1	03-20-200)3	Muraoka		column 3, paragraph 2; figure 1
	CK		US- 6,151,989-A	11-28-200	00	Ueda		column 9, line 14-line 38; figures 5, 18-22
	CK	ļ	US- 5,419,218-A	05-30-199	95	. Romano		column 3, line 64 - column 4, line 2 figure 1
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		FOREIGN PA	TENT DOCUM	MENTS		
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE	Application Number	10/717,981	
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First Named Inventor Tsutomu MURAOK 3682 Group Art Unit (use as many sheets as necessary) Examiner Name Kim SN-US035146A **Attorney Docket Number**

U.S. PATENT DOCUMENTS								
Examiner Cite		Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevan			
tnitials *	No.	Number - Kind Code ² (<i>If known</i>)	MM-DD-YYYY		Passages or Relevant Figures Appear			
CK		US- 4,928,549	05-29-1990	Nagano				
CK		US- 5,115,692-A	05-26-1992	Nagano				
CK	<u> </u>	US- 5,497,680-A	03-12-1996	Nagano				
CK		US- 5,685,202-A	11-11-1997	Chen				
CK]	US- 5,868,043-A	02-09-1999	Ueda				
CK		US- 6,014,914-A	01-18-2000	Ueda				
CK		US- 6,089,122-A	07-18-2000	Nagano				
CK		US- 6,105,462-A	08-22-2000	Ueda				
CK		US- 6,293,169-B1	09-25-2001	Takahama				
CK	1	US- 6,305,244-81	10-23-2001	Takahama				
CK		US- 6,341,540-B2	01-29-2002	Steinberg				
CK		US- 2002-0083792-A1	07-04-2002	Tanaka	***************************************			
CK		US- 2003-0159538-A1	08-28-2003	Muraoka et al.				
CK		US- 2003-0188602-A1	10-09-2003	Lubanski				
CK		US- 6,694,846-B2	02-24-2004	Muraoka et al.				
CK		US- 6,845,688-B2	01-25-2005	Muraoka				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To.		
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